


# What's new in Jami

LibrePlanet 2023

`bandali@gnu.org`



What is Jami?



**Jami** is free software for universal communication that respects the freedom and privacy of its users.



**Jami** is developed by **Savoir-faire Linux**® (SFL), based in Montréal, Canada. Savoir-faire Linux are a team of free software consultants that provide training, consulting, development, and support services for free software technologies.



**Jami** is an  
**end-to-end encrypted** secure and **distributed**  
voice, video, and chat **communication platform**  
that requires **no central server**, and puts the  
power of **privacy** and **freedom** in the rightful  
hands of **users**.

## Key features of **Jami**

- 1-on-1 and group chats
- calling and conferencing
- audio/video messaging
- screen sharing
- file sharing
- plugins (+ SDK)
  - green screen
  - watermark
  - audio filters
  - ...and more!
- SIP phone

p2p and distributed

## Key features of **Jami**

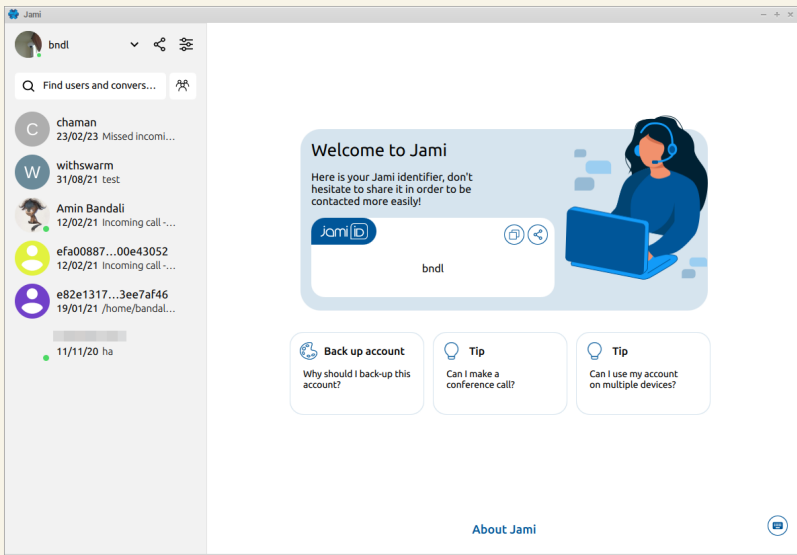
- 1-on-1 and group chats
- calling and conferencing
- audio/video messaging
- screen sharing
- file sharing
- plugins (+ SDK)
  - green screen
  - watermark
  - audio filters
  - ...and more!
- SIP phone

**p2p** and **distributed**

What's new in Jami?



jami-qt

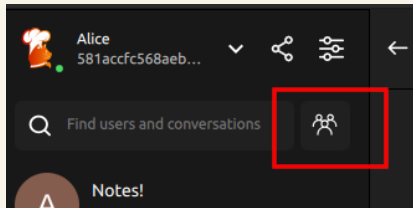


jami — main window

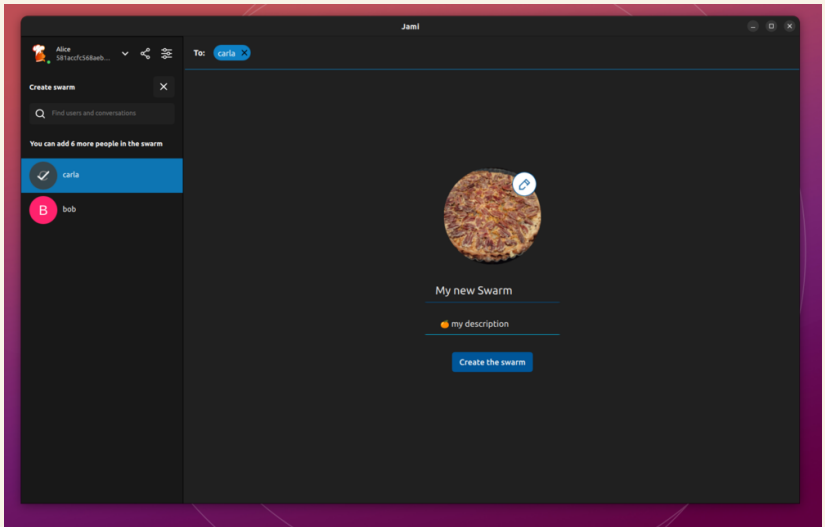
# Swarm

1-on-1 + group chats

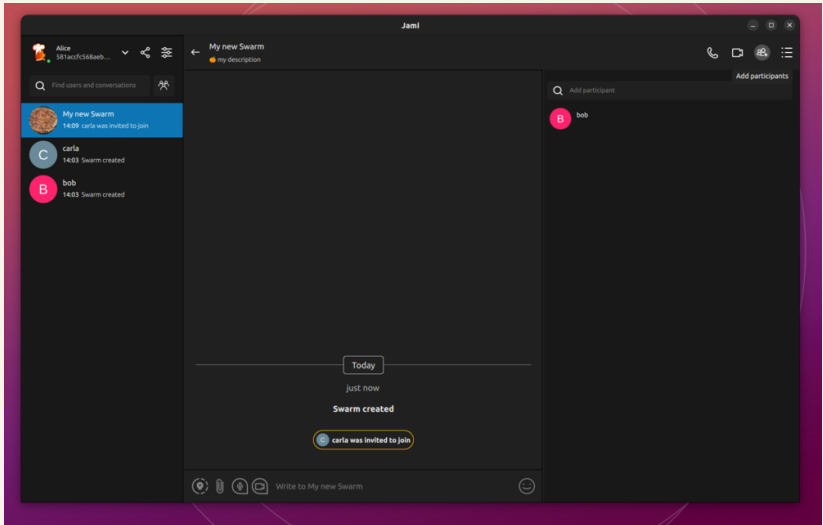
(currently groups of up to 8 members)



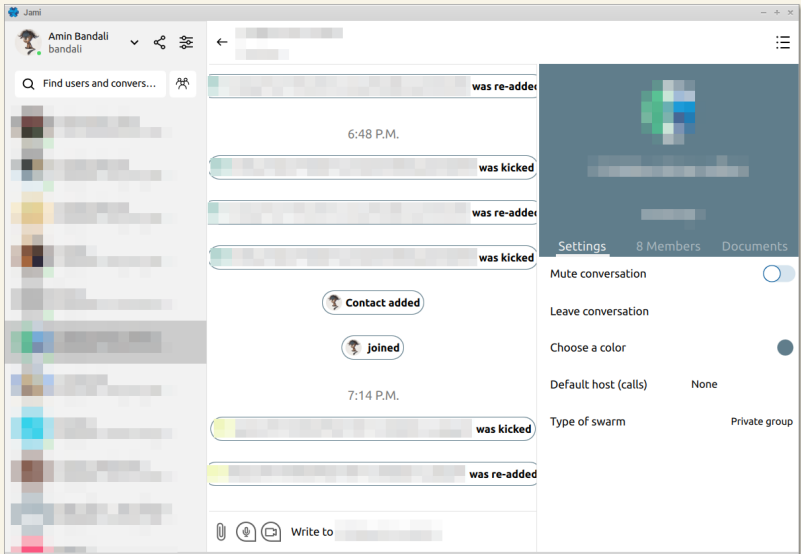
jami — creating a swarm



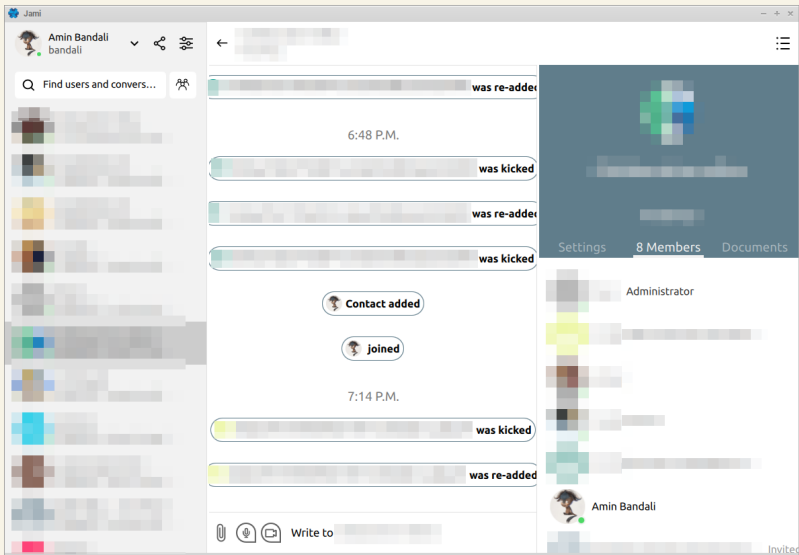
jami — creating a swarm



jami — adding and removing members for a swarm

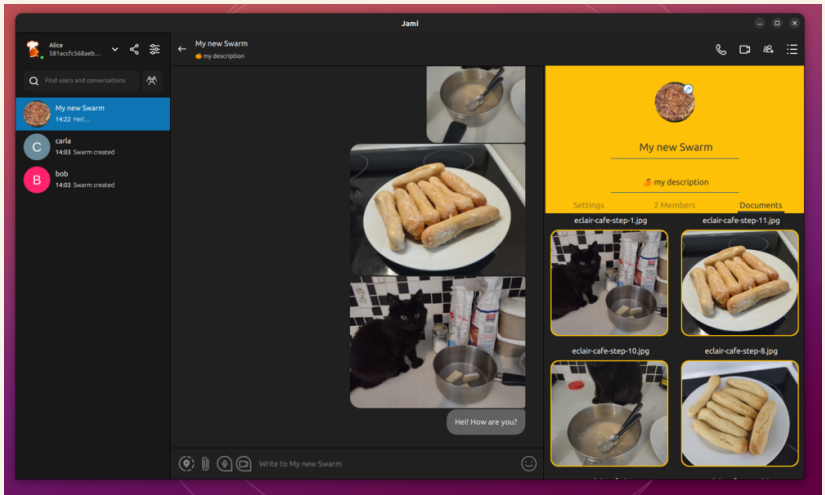


jami — swarm panel showing conversation settings

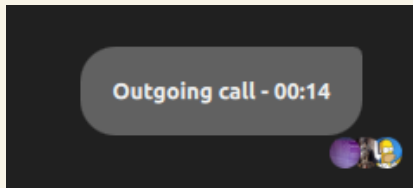


jami — swarm panel showing conversation members

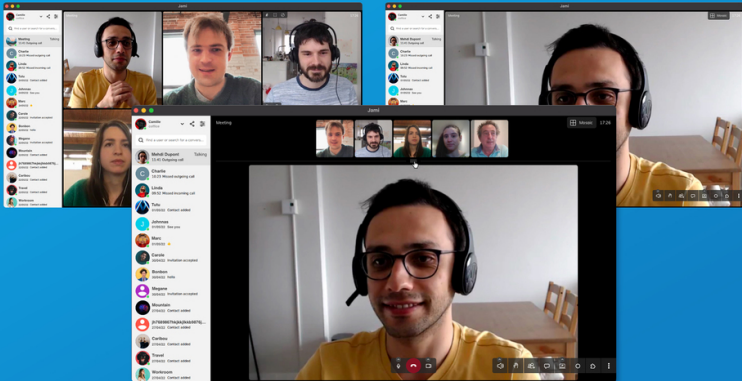




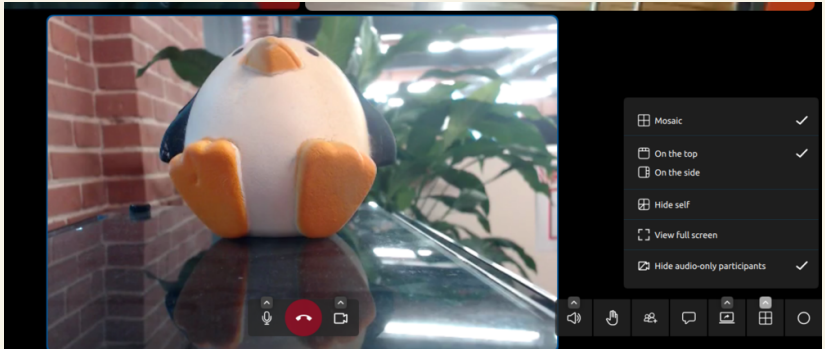
jami — swarm panel showing shared documents



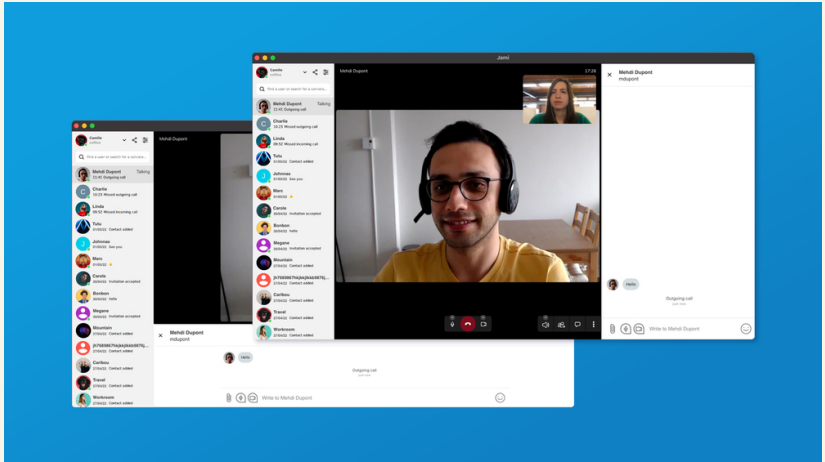
jami — swarm message read status



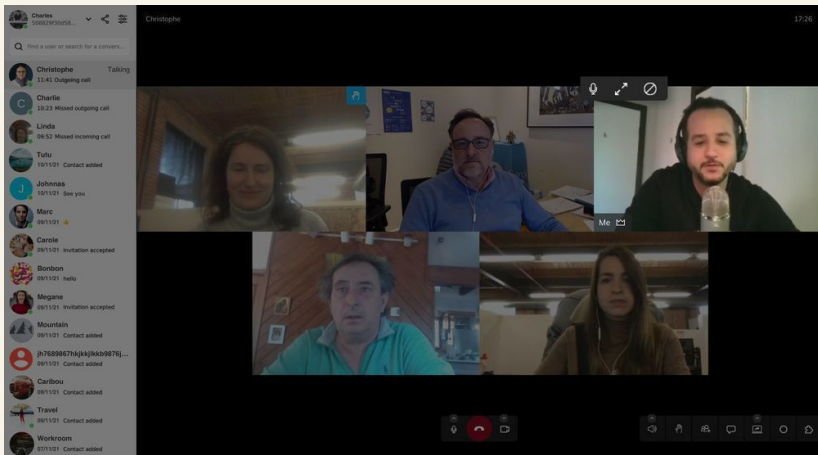
jami — more flexible conference video layouts



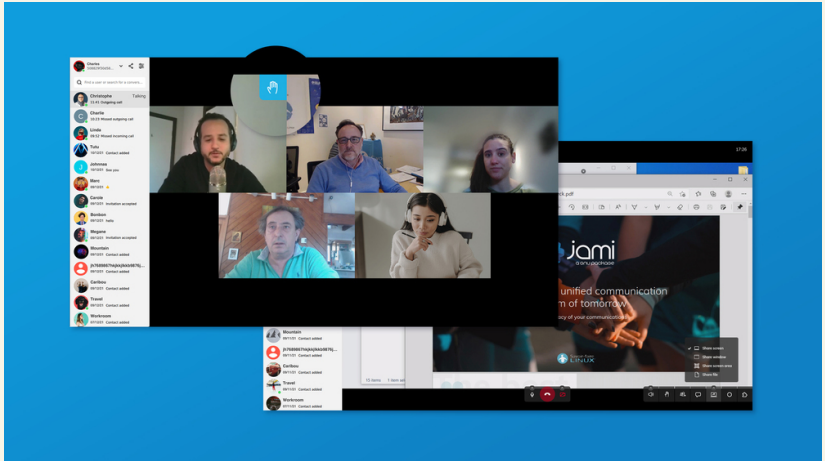
jami — conference layout settings, e.g. hiding audio-only participants



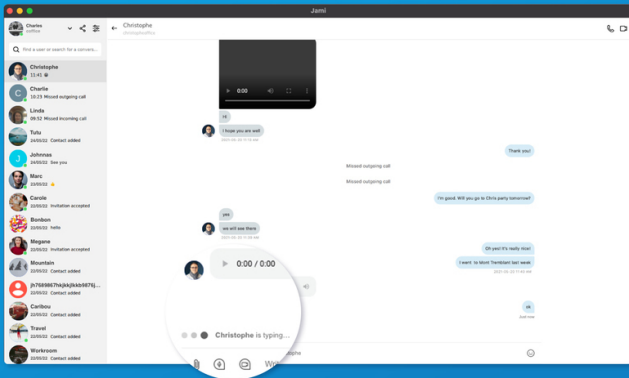
jami — horizontal and vertical in-call chatview split



jami — conference moderation tools

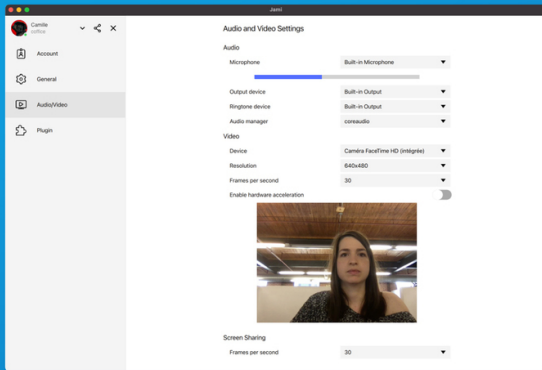


jami — 'raise hand' feature

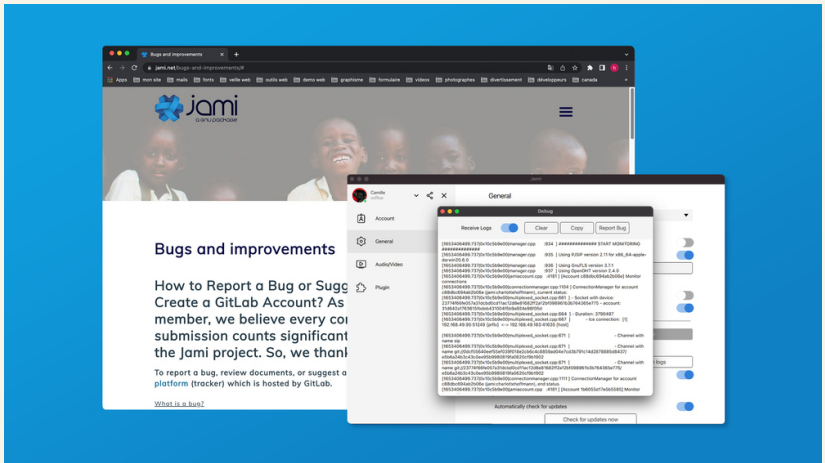


jami — chatview typing indicator

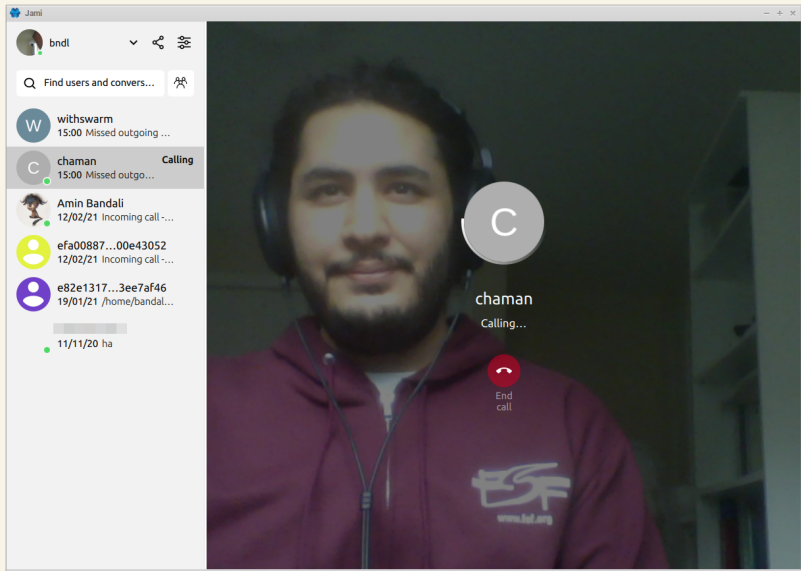




jami — changing ringtone device



jami — debug logs within the client (user interface)



jami — call preview screen

# UnifiedPush

push notifications, in freedom  
(for incoming calls and messages on mobile)

[jami.net/unifiedpush](http://jami.net/unifiedpush)



Green Screen



Watermark



Audio filter




Auto answer

# Whisper plugin

for live captions

(transcription + translation)



Conille  
cutrice

Find a user or search for a conversa...

Aline  
11:41 Outgoing call Talking

Charlie  
10:23 Missed outgoing call

Linda  
09:52 Missed incoming call

Tulu  
01/03/23 Contact added

Johanna  
01/03/23 See you

Marc  
01/03/23

Carole  
30/02/23 Invitation accepted

Bonbon  
30/02/23 hello

Megane  
30/02/23 Invitation accepted

Mountain  
30/02/23 Contact added

jh769867hkjkkjkkb9876j...  
30/02/23 Contact added

Caribou  
30/02/23 Contact added

Travel  
30/02/23 Contact added

Workroom  
30/02/23 Contact added

I think that's fantastic. I think that is a perfect example of how recipes move around the world.

Whisper plugin for **Jami**

Future work: payment plugin



# JAMS

(**Jami** Account Management Server)

The screenshot displays the JAMS user interface. On the left is a dark sidebar with the JAMS logo and navigation options: users, Groups, Blueprints, and Settings. The main area shows a list of users in a grid. At the top, there is a search bar with the text "Search users using (username, first name, last name)" and a search icon. A checkbox labeled "Display revoked users" is also present. Below the search bar, a grid of 18 user cards is visible, each containing a profile picture, name, and a small blue icon with a plus sign. The user cards are arranged in three rows of six. The first row includes Adel Bridagi, Aurélien Berry, Amélie Gorafie, Alexandre Lucien, Amira Claf, and Amir Plite. The second row includes Alain Tobirge, Amin Traoris, Aurel Yokata, Camille Haman, Christophe Imbrani, and Charline Perrot. The third row includes Christophe Village, Cyrille Berac, Etien Bellard, Edouard Duchene, Emeline Ribaud, and Emmanuelle Masson. A fourth row is partially visible at the bottom. The background of the main area features a faint image of the Golden Gate Bridge.

Display revoked users

Search users using (username, first name, last name)

users

Groups

Blueprints

Settings

Logout

 Adel Bridagi abridagi	 Aurélien Berry aberry Saturnalle	 Amélie Gorafie agorafie Saturnalle	 Alexandre Lucien alucien Saturnalle	 Amira Claf aclofe	 Amir Plite aplite
 Alain Tobirge atobirge Saturnalle	 Amin Traoris atraoris	 Aurel Yokata ayokata Saturnalle	 Camille Haman chaman	 Christophe Imbrani cimbrani Saturnalle	 Charline Perrot cperrot Saturnalle
 Christophe Village cvillage Saturnalle	 Cyrille Berac cberac Saturnalle	 Etien Bellard ebellard	 Edouard Duchene educhene	 Emeline Ribaud eribaud	 Emmanuelle Masson emasson Saturnalle

JAMS — an organization's list of users

The screenshot shows the JAMS user interface. On the left is a dark sidebar with the JAMS logo and navigation options: Users, Groups, Blueprints, and Settings. The main content area has a teal header with 'PROFILE', 'DEVICES', and 'CONTACTS' tabs. The profile card for 'alucien' includes a circular profile picture, the name 'alucien', and an 'Active' status. Below the name are details for Alexandre Lucien, including 176 items, the domain 'Saturnalle', and the email 'alexandre.lucien@saturnalle.com'. A 'REVOKE USER' button is at the bottom right of the profile card. Below the profile card is a section for adding users to groups, with a table header 'Group name' and an 'Action' column. The footer contains the text 'JAMS Version 3.3 - © 2023 Saxon-Fare Linux Inc.'

JAMS — a user's profile

The screenshot displays the JAMS (JAMStack Admin) user interface. On the left is a dark sidebar with the JAMS logo and navigation options: Users, Groups, Blueprints, Settings, and Logout. The main content area has a teal header with tabs for PROFILE, DEVICES, and CONTACTS. The DEVICES tab is active, showing a table of devices. The table has columns for Device Name, Device Id, Status, and Actions. Five devices are listed, all with a status of 'Active'. The footer of the page indicates 'JAMS Version 3.3 - © 2023 Savoir-Faire Linux Inc.'

Device Name	Device Id	Status	Actions
Samsung SM-T765	hdy489bqpx378jhg578bnkjhgf678jhg78jhg77	Active	<a href="#">✖</a> <a href="#">✎</a>
Google Pixel 4 XL	bgfy87654edfghjklm67890kjhgf5432109876	Active	<a href="#">✖</a> <a href="#">✎</a>
Google Pixel 4 XL	hgjy4876543210987654321098765432109876	Active	<a href="#">✖</a> <a href="#">✎</a>
Google Pixel 4 XL	hg567876543210987654321098765432109876	Active	<a href="#">✖</a> <a href="#">✎</a>
Google Pixel 4 XL	101y4876543210987654321098765432109876	Active	<a href="#">✖</a> <a href="#">✎</a>

JAMS — a user's devices

**jams**  
DU AGN

users  
Groups  
Blueprints  
Settings

PROFILE DEVICES **CONTACTS**

+ ADD CONTACT

Search contact fields (URL, firstname, lastname) 🔍

 <b>Adel Bindaqi</b> ✉️ aberridagi Saturnalite Conversation id: kjghfyuip kjghg5678957654r56 gfftyu897654r	 <b>Aurélien Berry</b> ✉️ aberry Saturnalite Conversation id: mnehg7654fha45678904567897 ry7654567f	 <b>Amélie Gorafe</b> ✉️ agorafe Saturnalite Conversation id: jhg56787654ertgfa456789ygf45 re456784ert	 <b>Alexandre Lucien</b> ✉️ alucien Saturnalite Conversation id: 76545ygh56789hghtr56789y87 uy5678765f	 <b>Amira Claf</b> ✉️ acfaf Saturnalite Conversation id: jghy787654gh56789ugh5678yrt r567654fygr	 <b>Anir Plata</b> ✉️ aplate Saturnalite Conversation id: jghfyu87654ertp87654weqgh87 fty67654gpyh
--	---	--	--	--	--

JAMS Version 3.3 - © 2023 Savoir-Faire Linux Inc.

JAMS — a user's contacts

The screenshot displays the JAMS DU KONTI user interface. On the left is a dark sidebar with navigation icons for 'Users', 'Groups', 'Blueprints', and 'Settings', along with a 'Logout' button at the bottom. The main area features a 'CREATE GROUP' button and a search bar. A grid of group cards is visible, each representing a group with one user and a specific blueprint. A 'Create group' modal dialog is open in the center, containing the following elements:

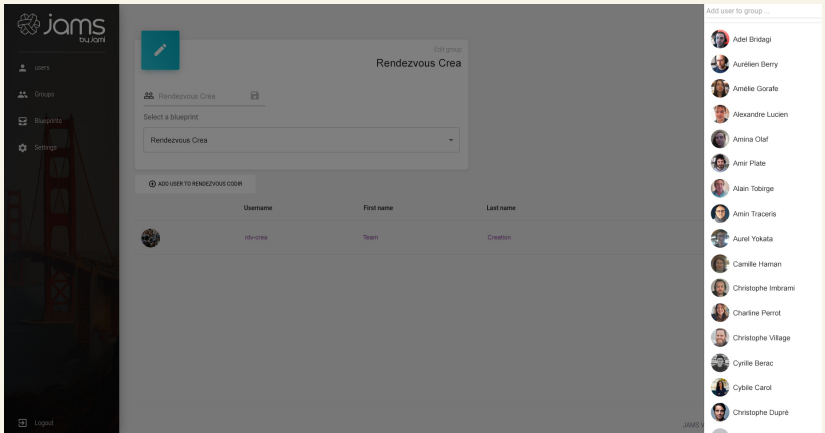
- Create group** (title)
- Group name (label)
- (input field)
- Group name is empty (error message)
- Select a blueprint (label)
- (dropdown menu)
- and  (action buttons)

At the bottom right of the interface, the text 'JAMS Version 3.3 - © 2023 Savoir-Faire Linux Inc.' is visible.

## JAMS — creating a group

The screenshot displays the JAMS web interface for editing a group. On the left is a dark sidebar with the JAMS logo and navigation links: Users, Groups, Blueprints, Settings, and Logout. The main content area shows the 'Rendezvous Crea' group details. At the top, there is a blue pencil icon and the text 'Edit group Rendezvous Crea'. Below this, the group name 'Rendezvous Crea' is shown with a group icon and a document icon. A section titled 'Select a blueprint' contains a dropdown menu with 'Rendezvous Crea' selected. A button labeled 'ADD USER TO RENDEZVOUS COOR' is positioned below the dropdown. The main part of the page features a table with the following columns: Username, First name, Last name, and Action. One user is listed with the username 'rdv-crea', first name 'Team', and last name 'Creation'. An 'REMOVE USER' button is located in the Action column for this user. At the bottom right of the page, the text 'JAMS Version 3.3 - © 2023 Savoir-faire Linux Inc.' is visible.

## JAMS — editing a group



JAMS — adding users to a group



The screenshot displays the JAMS DU ADON user interface. On the left is a dark sidebar with navigation options: Users, Groups, Blueprints, and Settings. The main area features a 'CREATE BLUEPRINT' button and a search bar. Below these are several blueprint cards, each representing a different location: Rendezvous Creteil, Rendezvous Tech, Rendezvous Cloud, Rendezvous Research, Rendezvous Web, Rendezvous Toronto, and Rendezvous Toulouse. A modal dialog box titled 'Create blueprint' is centered on the screen, containing a 'Blueprint name' field with a red error message 'Blueprint name to empty' and two buttons: 'Cancel' and 'Create'. The bottom right corner of the interface shows the text 'JAMS Version 3.3 - © 2023 Savoir-Faire Linux Inc.'

## JAMS — creating a blueprint

The screenshot displays the JAMS web interface. On the left is a dark sidebar with the JAMS logo and navigation links for Users, Groups, Blueprints, and Settings. The main content area has a teal header with 'PERMISSIONS' and 'CONFIGURATION' tabs. A modal window is open for the blueprint 'Rendezvous Crea', showing a list of permissions with checkboxes and toggle icons. Below the modal, there is a 'Rendezvous mode' section with a toggle and a button to 'ADD MODERATOR TO RENDEZVOUS CODR'. At the bottom, a table lists users with columns for Username, First name, Last name, and Action.

Username	First name	Last name	Action
atobirge	Alan	Tobirge	REMOVE MODERATOR

JAMS — editing a blueprint's permissions

The screenshot displays the JAMS web interface. On the left is a dark sidebar with the JAMS logo and navigation links for Users, Groups, Blueprints, Settings, and a Logout button. The main content area has a teal header with 'PERMISSIONS' and 'CONFIGURATION' tabs. A white configuration card for 'Rendezvous Crea' is shown, containing three sections: UPrP (with an 'Enable UPrP' toggle), TURN (with radio buttons for 'Use Jami default TURN configuration', 'Use a custom TURN configuration', and 'Disable TURN configuration'), and DHT Proxy (with radio buttons for 'Use Jami default DHT Proxy configuration', 'Use a custom DHT Proxy configuration', and 'Disable DHT Proxy configuration'). A footer at the bottom right reads 'JAMS Version 3.3 - © 2023 Savoir-faire Linux Inc.'

JAMS — editing a blueprint's configuration

Download **Jami**

[jami.net/download](https://jami.net/download)

# Jami in Debian

(and **Trisquel**, and **Ubuntu**, ...)

# Housekeeping

# Release tarball naming scheme

`jami_YYYYMMDD.hhmm.COMMITID.tar.gz` → `jami-YYYYMMDD.X.tar.gz`

`jami_20220206.1142.1234abcd.tar.gz` → `jami-20220206.0.tar.gz`

[dl.jami.net/release/tarballs/](https://dl.jami.net/release/tarballs/)

`jami-client-qt.git`

now the primary source repository;  
`jami-project.git` deprecated



DRing → libjami

daemon's public C++ namespace

## And so much more!

- opening `jami:` URIs/links in **Jami** on GNU/Linux;
- using system theme on GNU/Linux and Windows;
- ability to translate **Jami** plugins much like **Jami** itself;
- improved UI/UX and visuals, thanks to revamped views;
- added and improved keyboard shortcuts for convenience and better accessibility; and
- many other improvements and bug fixes across various **Jami** subsystems like the connectivity and media stacks.

[git.jami.net/savoirfairelinux/jami-client-qt/-/wikis/Changelog](https://git.jami.net/savoirfairelinux/jami-client-qt/-/wikis/Changelog)

Community

Jami forum

[forum.jami.net](http://forum.jami.net)

# Jami mailing list

[jami@gnu.org](mailto:jami@gnu.org)

# Jami IRC channel

[#jami](#) on [Liberia.Chat](#)

(also accessible via Matrix bridge)

# Jami blog

[jami.net/tag/blog](http://jami.net/tag/blog)

Contributing to **Jami**



# Code and patches

[review.jami.net](http://review.jami.net)

# Bug reports

`git.jami.net`

`docs.jami.net/user/bug-report-guide.html`

# Documentation

[docs.jami.net](https://docs.jami.net)

# Translations

[docs.jami.net/contribute.html](https://docs.jami.net/contribute.html)

# Plugins

[jami.net/plugins](http://jami.net/plugins)

[jami.net/plugins-sdk](http://jami.net/plugins-sdk)

# Packaging

[docs.jami.net/build/](https://docs.jami.net/build/)

# Donations

**Donate** on [jami.net](https://jami.net)

# Fund a feature

[contact@jami.net](mailto:contact@jami.net)

[docs.jami.net/developer/feature-requests.html](https://docs.jami.net/developer/feature-requests.html)



# JAMS support packages

[jami.biz](http://jami.biz)

*spread the <3 about Jami*

# Thanks!

Amin Bandali

[bandali@gnu.org](mailto:bandali@gnu.org)

[bndl.org/talks/jami-2023](https://bndl.org/talks/jami-2023)

marked with *CCO 1.0 Universal*